

ARTICLE INDEX VOLUME 22

TOPIC 21st Century Defense	ARTICLE TITLE The Combat-Wireless Health Monitoring System	AUTHOR(S) MAJ Phillip G. Burns	ISSUE	PAGE
210t Containy Dolonico	Cyberterrorism: The Threat of Virtual Warfare	Summer Olmstead,	7	16
	PKI: The DoD's Critical Supporting Infrastructure	Dr. Ambareen Siraj Susan Chandler,	7	10
	for Information Assurance	Jerrod Loyless	,	10
Cost and Schedule Estimation	Understanding Software Project Estimates	Katherine Baxter	3	27
Defect Detection	Defect Detection by Developers	D.T.V. Ramakrishna Rao	3	8
Engineering for Production	Experiences With Software Product Line Development	Dr. Paul Jensen	1	11
	Production Planning for a Software Product Line	Dr. Gary J. Chastek, Linda M. Northrop, Dr. John D. McGregor	1	6
	Software Product Management	Dr. Christof Ebert	1	15
Information Assurance	A Model to Quantify the Return on Information Assurance	Ron Greenfield, Dr. Charley Tichenor	2	18
Language	Enforcing Static Program Properties in Safety-Critical Java Software Components	Dr. Kelvin Nilsen	2	24
Lean Principles	Lean Enablers for Systems Engineering	Dr. Bohdan Oppenheim	5	4
Measurement	Software Project and Process Measurement	Dr. Christof Ebert	5	22
	·			
Modeling and Simulation	A Framework for Systems Engineering Development of Complex Systems	Dr. Karl L. Brunson, Dr. Jeffrey Beach Dr. Thomas A. Mazzuchi, Dr. Shahram Sarkani	5	7
	Requirement Modeling for the C-5 Modernization Program	Steven D. Allen, Mark B. Hall, Verlin Kelly, Mark D. Mansfield, Dr. Mark R. Blackburn	2	9
Open Forum	Preparing for an Internal Assessment Interview	Jim O'Brien	7	26
	Resistance as a Learning Opportunity	David P. Quinn	5	32
Programming Tools	Static Analyzers in Software Engineering	Dr. Paul E. Black	3	16
Quality	Management's Inspection Responsibilities and Tools for Success	Roger Stewart, Lew Priven	3	18
Rapid Prototyping	Evolutionary Capabilities Developed and Fielded in Nine Months	Portia Crowe, Dr. Robert Cloutier	4	15
	Using WYSIWYG GUI Tools With UML	llya Lipkin, Martin Guldahl	4	4
Requirements	Why Software Requirements Traceability Remains a Challenge	Andrew Kannenberg, Dr. Hossein Saiedian	5	14
Resilient Software	Considering Software Protection for Embedded Systems	Dr. Yong C. Kim, Lt. Col. J. Todd McDonald, Ph.D.	6	4
	Investing in Software Resiliency	Dr. C. Warren Axelrod	6	20
	Making Security Measurable and Manageable	Robert A. Martin	6	26
	Meeting the Challenge of Assuring Resiliency Under Stress	Don O'Neill	6	33
	Resilient Mixed-Criticality Systems	Dr. Lui Sha	6	9
	Software Survivability: Where Safety and Security Converge	Karen Mercedes Goertzel	6	15

TOPIC	ARTICLE TITLE	AUTHOR(S)	ISSUE	PAGE
Service-Oriented Architecture (SOA)	A Perspective on Emerging Industry SOA Best Practices	Larry Pizette, Salim Semy, Geoffrey Raines, Steve Foote	5	29
	Certification and Accreditation of SOA Implementations: Programmatic Rules for the DoD	Anthony David Scott, Michael Malloy, Peter Clay, Mark Masone	7	19
	Leveraging Federal IT Investment With Service-Oriented Architecture	Geoffrey Raines	2	4
Software Acquisition	Defense Acquisition Performance: Could Some Agility Help?	Paul E. McMahon	2	14
Software Assurance	Software Assurance Practice at Ford: A Case Study	Dr. Nancy R. Mead, Dr. Dan Shoemaker, Jeffrey A. Ingalsbe	3	4
Software Development	Three Encouraging Developments in Software Management	Esther Derby	1	28
Software Measurement	Measuring Maintenance Activities Within Development Projects	Lori Holmes, Roger Heller	4	25
Software Process Improvement	Software Process Improvement Implementation: Avoiding Critical Barriers	Dr. Mahmood Niazi	1	24
	"Spending" Efficiency to Go Faster	Dr. Alistair Cockburn	1	20
Software Safety and Security	Software Safety for Model-Driven Development	Timothy J. Trapp, Donald S. Hanline II, Howard D. Kuettner, Jr., William A. Christian	4	9
Software Sizing	The Evolution of Software Size: A Search for Value	Arlene F. Minkiewicz	3	23
System of Systems (SoS)	From Substandard to Successful Software	Martin Allen	4	29
	A Uniform Approach for System of Systems Architecture Evaluation	Michael Gagliardi, William G. Wood, John Klein, John Morley	3	12
Team Software Process	A Distributed Multi-Company Software Project	Dr. William R. Nichols, Anita D. Carleton, Watts S. Humphrey, James W. Over	4	20

Monthly Columns

ISSUE		COLUMN TITLE	AUTHOR
Issue 1: January Engineering for Production	Sponsor: Engir	gineering for Production	David Curry
	BackTalk: The	9 Value of Toys	Dr. Linda R. Wilbanks
Issue 2: February		tware and Systems Integration: A Historical Perspective	Bruce Amato
Software and Systems Integration		b, Four, Six, Eight! Software and Systems–Integrate!	Dr. David A. Cook
Issue 3: March/April		nforcing Good Practices	Kasey Thompson
Reinforcing Good Practices		al Science Fiction	Ranse Parker
Issue 4: May/June Rapid and Reliable Development	BackTalk: Alan	eding It "Yesterday" n Smithee: Where Are You When I Need You? "A Software Engineer Goes to the Movies")	Kasey Thompson Dr. David A. Cook
Issue 5: July/August		cess Replication and Model-Based Process Improvement	Jeff Schwalb
Process Replication		ders of the Lost Art	Gary A. Petersen
Issue 6: September/October		tifying Our Cyber Defenses	Michael A. Brown
Resilient Software		at a Great Ride It Was!	Nicole French
Issue 7: November/December		en Tomorrow Becomes Today	Karl Rogers
21st Century Defense		slity Check or Parody Bit?	Gary A. Petersen

Back issues of CROSSTALK can be found online at www.stsc.hill.af.mil/crosstalk and are available for download free of charge. As well, a complete listing of Article Indexes from 1994-2009 can be found at www.stsc.hill.af.mil/crosstalk/2009/articles.html.

January/February 2010 www.stsc.hill.af.mil 37